

SHALE DEVELOPMENT CORPORATION

DEVELOPERS OF THE SAND WASH PROJECT

313 HIGH STREET REDLANDS, CALIFORNIA 92373

June 28, 1984

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS & MINING
4241 State Office Building
Salt Lake City, Utah 84114

ATTN: Cyril J. Young, Engineering Geologist

RE: Shale Development Corporation Sand Wash Mine ACT.047/005

Dear Mr. Young:

Please excuse our untimely response to your letter of October 12, 1983, but lack of cooperation from one of our consultants has caused us to make a change, and the weather conditions have added to the delay. We have just returned from a detailed examination of the Project site and feel we are now in a position to respond.

Rule M-10 (14)

We hereby commit to take new soil samples and have another analysis done after which we will forward the results to your office.

Scarification of compacted areas will take place prior to placement of top soil.

Stipulation 3-9-83-1 (CY)

Attached is a plan map indicating proposed post mining and post reclamation contours.

Stipulation 3-9-83-3 (TP)

We hereby commit to conduct tests on the process waste material to determine content of sodium, calcium, magnesium, potassium, selenium and molybdenum.



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Stipulation 3-9-83-6 (SL)

We hereby commit to provide interim stabilization on all fill banks using seed mixes as discussed in our letter of October 22, 1982 and December 28, 1982. This will be accomplished during the first planting period after disturbance. Complete plans will be provided to the Division sixty (60) days prior to any stabilization.

Stipulation 3-9-83-7 (TP)

Isopach map of top soil is attached.

Stipulation 3-9-83-8 (TP)

Balance sheet and stock pile configurations is attached.

Stipulation 3-9-83-9 (TP)

Map attached indicating planting areas and depth of soil, (See Soil Balance Map)

Stipulation 3-9-83-10 (TP)

Testing parameters described in letter from DOGM dated December 13, 1982 will be followed.

Very truly yours,

SHALE DEVELOPMENT CORPORATION

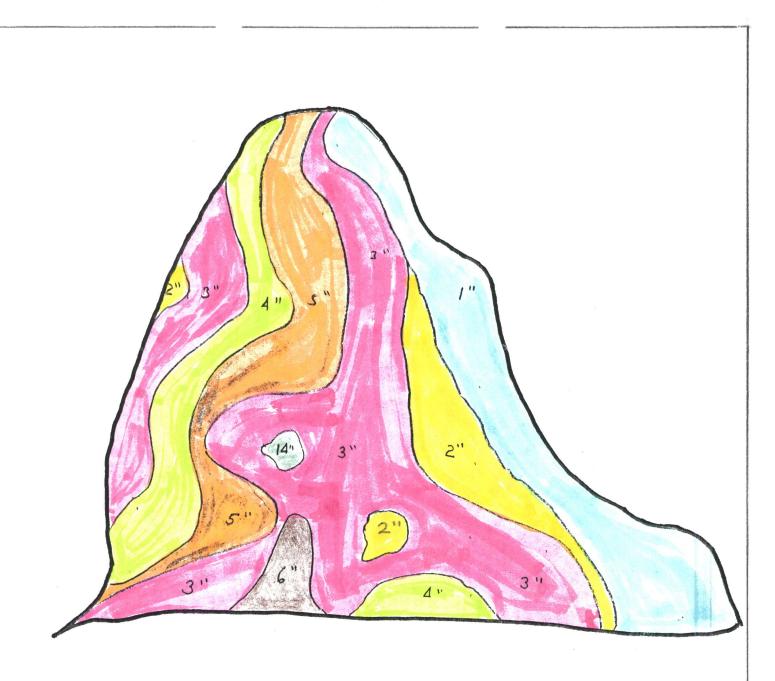
ellet O. Thomas

Delbert D. Thomas

President

DDT:cp

Attachements



TOP SOIL CALCULATIONS

$$\frac{2211}{27}$$
 = 81.8 cu yd

SAND WASH PROJECT

TOP SOIL ISOPACH MAP & BALANCE

D. Thomas 2-10-84

